Figures

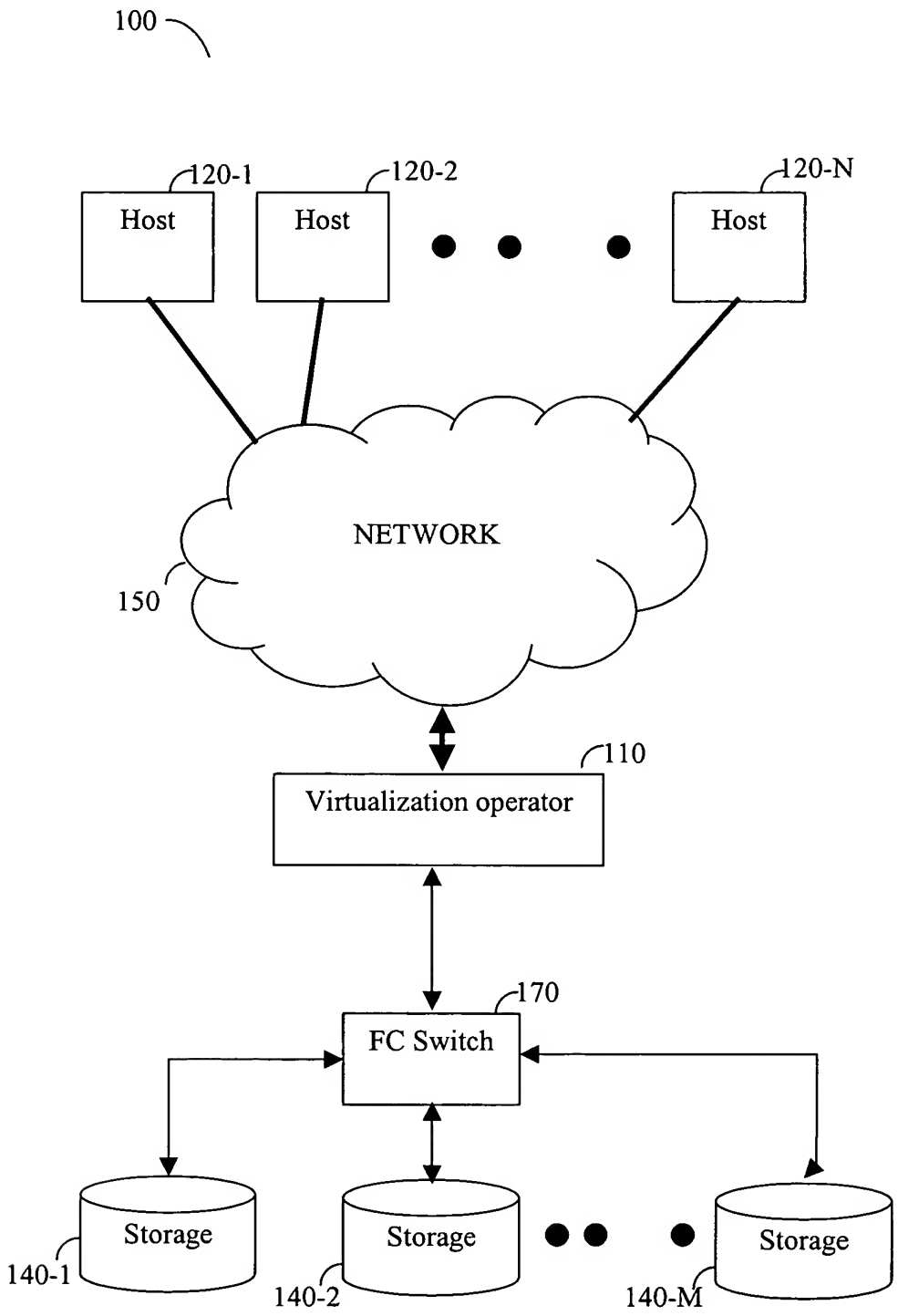

FIGURE 1

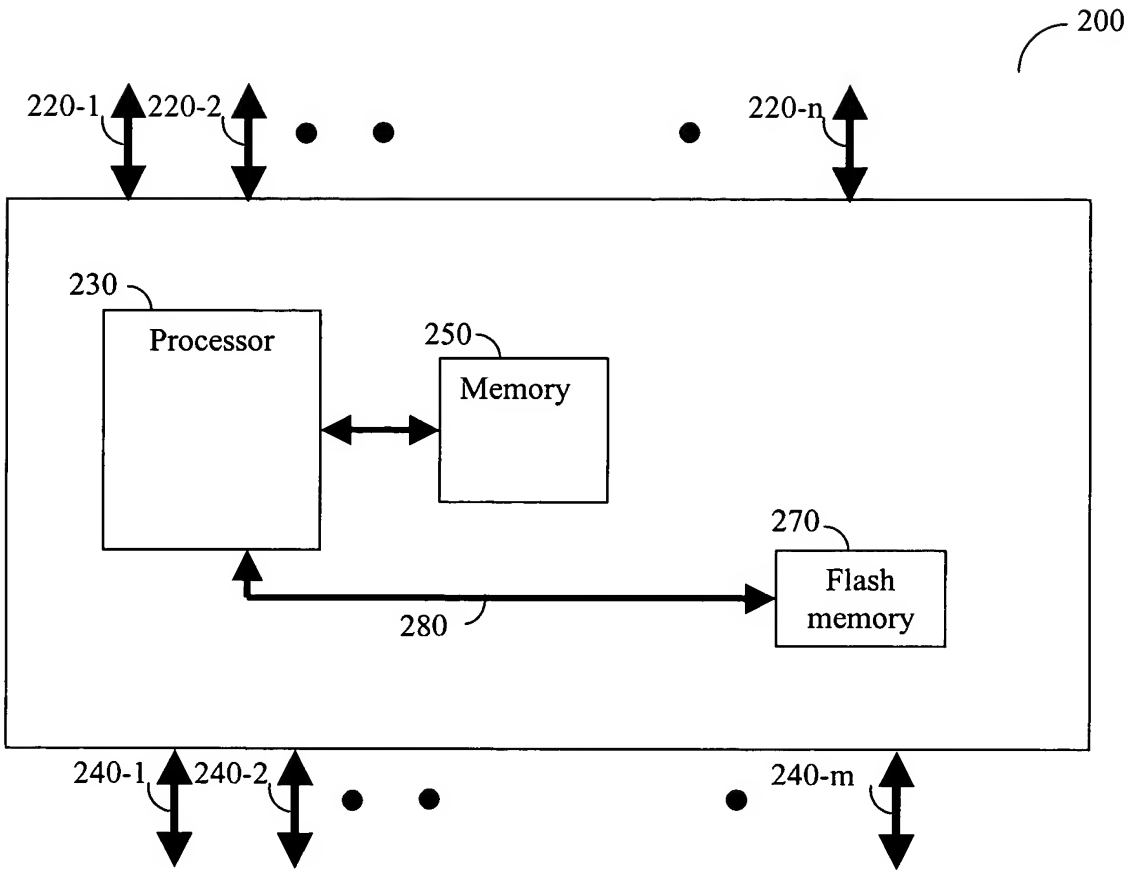
200
220-1
220-2
220-n
230
Processor
250
Memory
270
Flash memory
280
240-1
240-2
240-m

FIGURE 2

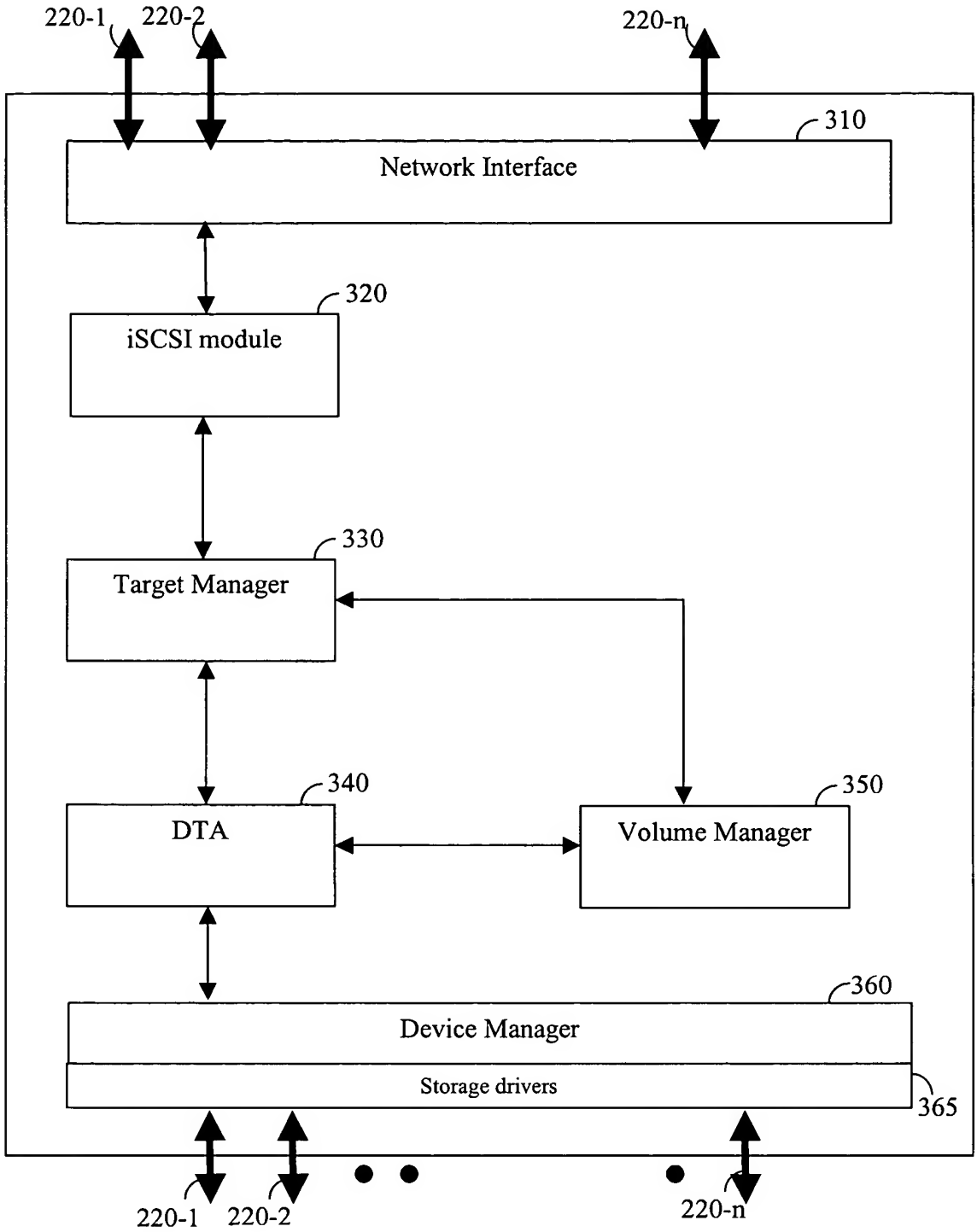
220-1
220-2
220-n
310
Network Interface
320
iSCSI module
330
Target Manager
340
DTA
350
Volume Manager
360
Device Manager
Storage drivers
365
220-1
220-2
220-n

FIGURE 3

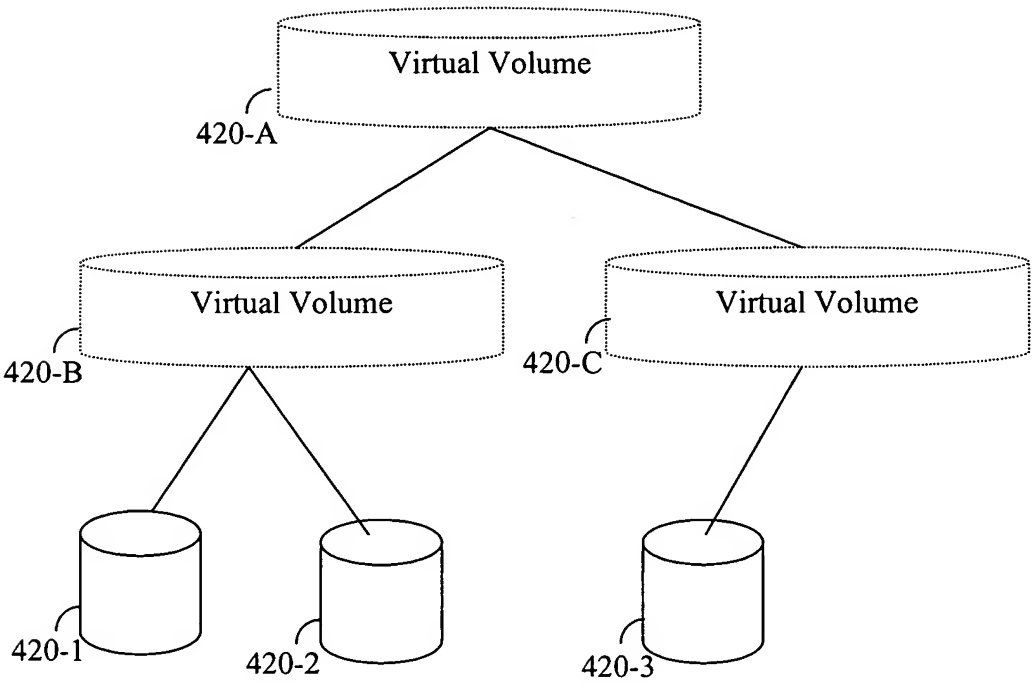

FIGURE 4A

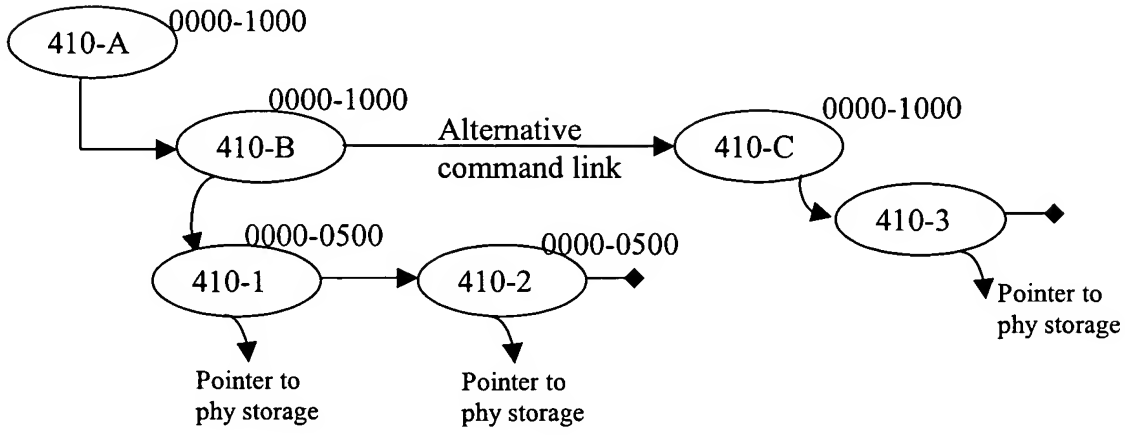

FIGURE 4B

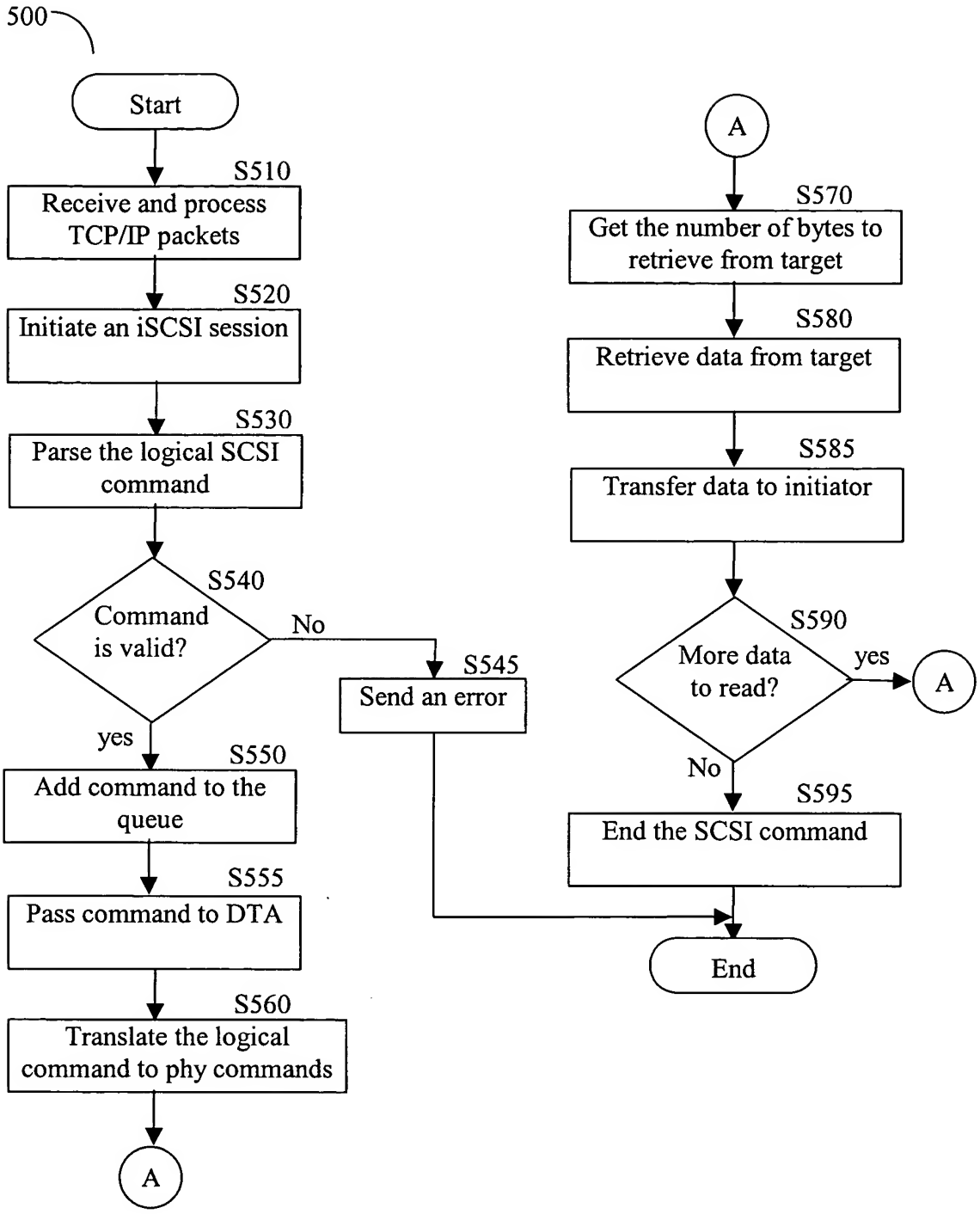
500
Start
S510
Receive and process TCP/IP packets
S520
Initiate an iSCSI session
S530
Parse the logical SCSI command
S540
Command is valid?
No
S545
Send an error
yes
S550
Add command to the queue
S555
Pass command to DTA
S560
Translate the logical command to phy commands
A
A
S570
Get the number of bytes to retrieve from target
S580
Retrieve data from target
S585
Transfer data to initiator
S590
More data to read?
yes
A
No
S595
End the SCSI command
End

FIGURE 5

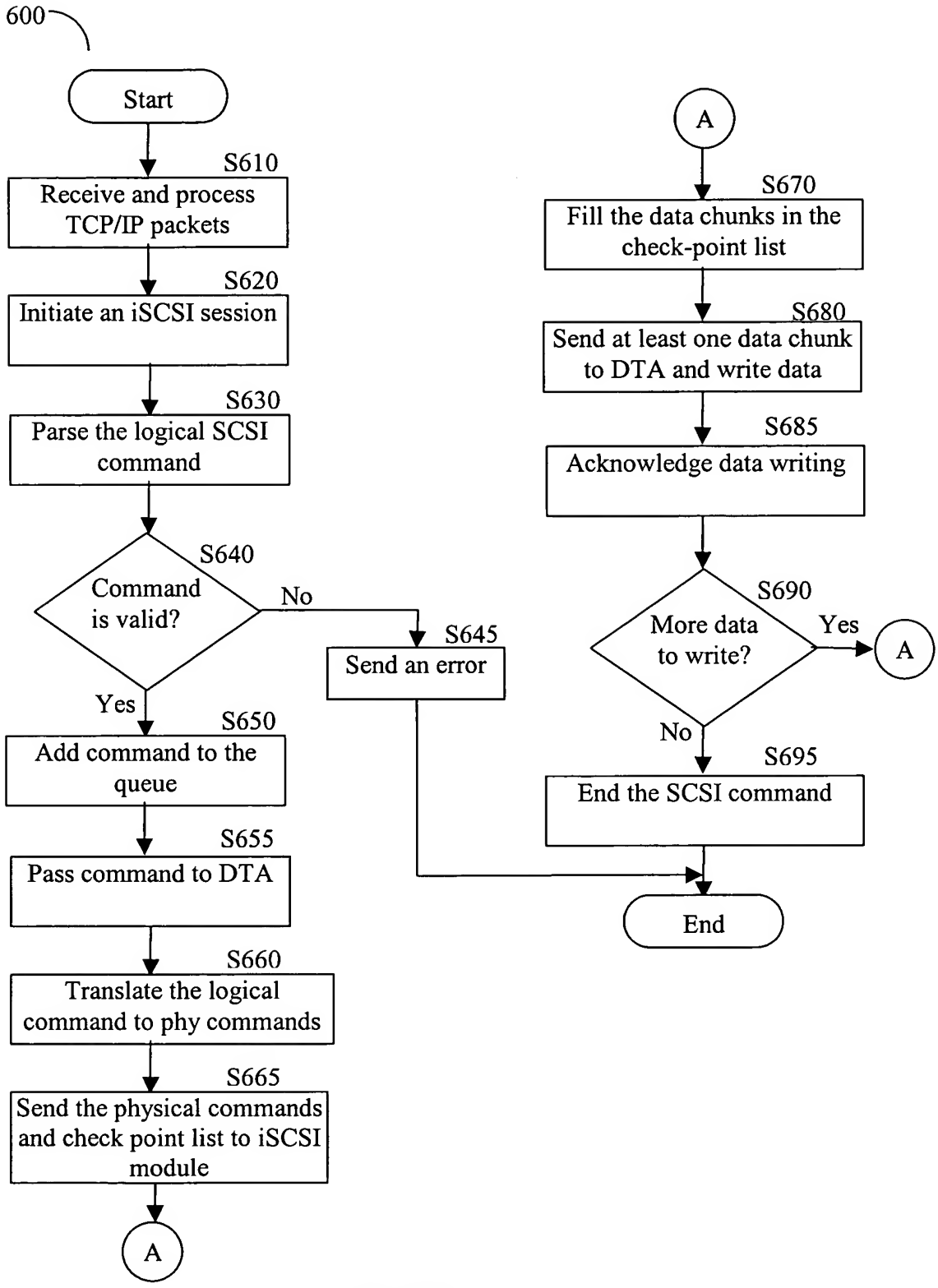
600
Start
S610
Receive and process TCP/IP packets
S620
Initiate an iSCSI session
S630
Parse the logical SCSI command
S640
Command is valid?
No
S645
Send an error
Yes
S650
Add command to the queue
S655
Pass command to DTA
S660
Translate the logical command to phy commands
S665
Send the physical commands and check point list to iSCSI module
A
A
S670
Fill the data chunks in the check-point list
S680
Send at least one data chunk to DTA and write data
S685
Acknowledge data writing
S690
More data to write?
Yes
A
No
S695
End the SCSI command
End

FIGURE 6

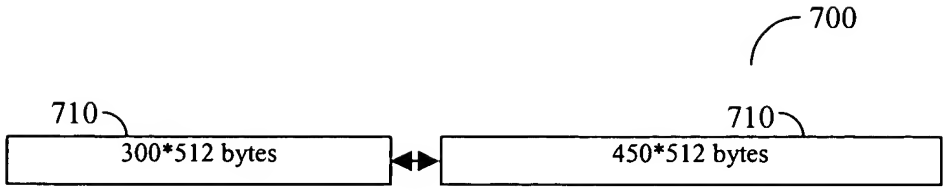

FIGURE 7